REPORT

OF THE

DEPARTMENT OF HEALTH

OF THE

PANAMA CANAL

FOR THE

MONTH OF NOVEMBER, 1915

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON
1916

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LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
HEALTH DEPARTMENT,
Balboa Heights, December 10, 1915.

Maj. Gen. GEO. W. GOETHALS,
Governor, The Panama Canal,
Balboa Heights, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of November, 1915.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague have originated on or were brought to the Isthmus during the month.

The annual physical examination of gold employees was begun during the month, but had not been completed at its close.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 34,224.

The total number of admissions to hospitals and quarters was 887, a rate of 311.01 per thousand, as compared with 294.80 for the preceding month, and 298.93 for the corresponding month of last year.

The total number of deaths from all causes was 23; of these 17 died from disease, or 5.96 per thousand, as compared with 5.39 for the preceding month, and 1.61 for the corresponding month of last year. All the deaths from disease were among the colored employees; four of them were due to pneumonia; the others were due to various chronic ailments.

The constantly noneffective rate was 9.79, compared with 10.56 for the perceding month, and 10.82 for the corresponding month of last year.

The total admission rates for malaria, hospitals, and quarters was 22.09, compared with 34.11 for last month, and 69.08 for the corresponding period of last year, and the total noneffective rate .70, compared with .86 for last month and 1.53 for November, 1914. These are the lowest malaria rates ever attained on the Isthmus at any season. Malaria caused 7 per cent of all admissions to hospitals and quarters. Seven per cent of the total noneffective rate was caused by malaria.

The diseases next to malaria causing the highest admission rates, in the order of their numerical importance were: Venereal diseases, diseases of the digestive system, respiratory system, and nervous system. These five classes of diseases caused 47 per cent of all admissions to hospitals.

There were no admissions for typhoid fever during the month nor for the preceding month and the corresponding month of last year.

Effects of Race.

The admission rate to hospitals and the death rate for disease for black employees were 133.23 and 6.88 per thousand, as compared with 365.77 and no deaths from disease for white employees. The noneffective rate for disease and injuries for black employees per thousand was 8.65, as compared with 17.14 for white employees.

The admission rate to hospitals and quarters for malaria was 17.41 per thousand for blacks, as compared with 52.25 for whites.

The death rate for Americans was 5.82, all due to accident. The admission rate to hospitals for disease was 261.75. The admission rate for malaria to hospitals and quarters was 34.90 for Americans.

Deportations.

There were 8 deportations accomplished during the month, all of whom were employees; 6 for disease and 2 for accident. Of those deported for disease 3 were for pulmonary tuberculosis, 1 for hypertropic cirrhosis, 1 for syphilis, and 1 for pleurisy.

Canal Zone.

The population of the Canal Zone is 31,219, among whom there was a total of 34 deaths; of these 29 deaths were for disease, giving a rate of 11.14 per thousand, as compared with 13.10 for the preceding month, and 12.66 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 55, compared with 48 last month.

There were 54 births reported, giving a rate of 20.75 per thousand. Of these births 13 were of white and 41 of colored children. There were 9 deaths of children under 1 year of age, 1 white and 8 colored, giving an infant mortality of 77 for white and 195 for colored children with a general average of 167. The percentage of stillbirths to total births was 7.

Panamá City.

The population of the city is 60,373, among whom there was a total of 146 deaths; of these, 139 deaths were from disease, giving a rate of 27.63 per thousand, as compared with 26.83 for the preceding month, and 33.20 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 47, compared with 55 last month. The principal causes of death showing an increase as compared with October were dysentery 2, compared with none last month; pellagra 5, compared with none last month; and acute nephritis 2, compared with 1 for the preceding month.

There were 253 births reported, giving a rate of 50.29 per thousand. The infant mortality was 209 per thousand. The percentage of stillbirths to total births was 5.

Colon.

The population of the city is 29,331, among whom there were 53 deaths. Of these 51 deaths were from disease, giving a rate of 20.87 per thousand, as compared with 22.91 for the preceding month and 17.59 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 41, compared with 32 last month.

The principal causes of death showing an increase as compared with October were cancer 2, as aginst none for the preceding month; organic disease of the heart, 3, compared with 1 last month, and lobar pneumonia 3, as against none for the preceding month.

There were 60 births reported, giving a rate of 24.55 per thousand. The infant mortality was 167 per thousand. The percentage of stillbirths to total births was 6.

HOSPITAL DIVISION.

Ancon Hospital.

During the month the average number of patients constantly in hospital was 457.67. The per capita cost of patients in hospital proper was $2.055 gross and $1.177 net. The net per capita cost of patients in the insane asylum was $0.419.

BOARD OF HEALTH LABORATORY.

Out of 4,940 anopheles mosquitoes which were sent to the laboratory for identification from all parts of the Canal Zone, all were albimanus except 13 malefactor, 9 tarsimaculata, and 3 apicimacula.

INSANE DEPARTMENT.

There were 14 admissions during the month, 4 discharges, and 3 deaths—2 of the deaths from tuberculous infection.

Emergency exits for the several ward buildings are under construction and nearing completion.

Heavy rains during the month impeded to some extent the outdoor activities of the patients and farm employees.

The building to be used as quarters for disabled employees of the farm has been completed and occupied. The general health of patients and employees continues good.

CHRONIC WARD.

There were 27.93 chronic and incurable patients constantly cared for during the month. The cost per patient per day was $0.217.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The average number of employees constantly sick was 22.31. The average number of days' treatment per employee was 10.46.

The per capita cost of patients was $3.07 gross and $2.18 net.

The tiling of the roofs, east and west wings, of the new Colon Hospital building is nearing completion. The woodwork for the roof, service building, is completed and is nearly completed on the administration building roof.

All the concrete work is completed excepting the connecting verandas between the administration building and the service building, the outside steps to the first-floor verandas, and the porte cochere entrances. The work of laying tile floors has begun. The work on all buildings is 60 per cent completed.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 58, one more than for the preceding month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,388 patients was treated, 29 more than for the preceding month. The daily average of patients in hospital was 453, as compared with 468 for October, and the total number of hospital days was 13,603, as compared with 14,513 for the preceding month. A total of 78 deaths have occurred with tuberculosis, pneumonia, organic disease of the heart, and malaria the chief causes in the order named.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Pedro Miguel, with an average weekly percentage of 0.17. That having the lowest was Cristobal, with a percentage of 0.01.

Detailed statistics are shown in Table IX.

SANITATION—CANAL ZONE.

The report for last month included a circular sent to all district sanitary inspectors, based on a letter from the district sanitary inspector, Ancon, asking for information concerning the prevalence of mosquito breeding in natural containers, such as old banana trees, caladium plants, and holes in trees. The reports received in response to this circular indicated that, while breeding was occasionally found in plants with very large leaves, like the caladium plant, it was generally believed that the number of mosquitoes coming from these containers was not sufficient to render necessary the destruction of these plants at the present time. The breeding in holes in trees is regarded as a more serious menace, and it was recommended that these be promptly filled with cement.

The continuance of heavy rains during November has made it possible to note the points in the drainage systems in the several districts which need additional permanent work. Plans for this work where its installation will reduce the cost of maintenance are being prepared, and work will be commenced when the rains cease.

The zone proper, exclusive of terminal cities, has been relatively free from infectious disease. (See table.)

A marked improvement is noted in sanitary conditions at the Balboa docks, due to better provisions having been made for the collection and disposition of accumulating waste materials and to more rigid inspection.

The annual physical examination of school children was made during the month, with the following results:

Number of physical examinations made	1,002	Defects found—Continued.	
Number found needing treatment	676	Hypertrophied tonsils	240
Number with other defects than those of teeth only	327	Pulmonary disease	32
Number with defects of teeth as only defects	258	Cardiac disease	21
Percentage of those examined needing treatment	67	Chorea or other nervous disorder	5
Defects found:		Orthopedic defects	13
Defective vision	97	Malnutrition	15
Defective hearing	22	Defective teeth	430
Defective nasal breathing	58	Contagious diseases	2
		Number of cases of contagious skin diseases	12

The children found with defects have been placed under treatment and their parents advised of what is necessary to be done in order to remedy the defects. It is believed that these examinations are a very great benefit to the school children, and hence to the community.

The following communicable diseases were reported during the month:

Measles	3	Tuberculosis	5
Mumps	5	Whooping cough	4
Malarial fever	41	Dysentery	1

Detailed statistics are shown in Table XVII.

SANITATION—PANAMA.

During the month a census taking of the city was begun, the work being carried on by the various sanitary inspectors. Several hours each day have been devoted to this work in connection with the routine district work. Indications are that a rather large increase in the population is to be expected when the census is completed.

The public was notified through columns of the papers of the prevalence of yellow fever in Buenaventura, Colombia, and on account of the proximity of this infected port to Panama City the great danger to which the local population is constantly exposed. The attention of the public was invited to the most likely places for occurrence of stegomyia breeding, such as vases, water jars, and guards, containers, etc., to be found in every household, and an appeal was made for their cooperation in destroying such places. Several thousand feet of old gutters were removed during the month by this office.

At the public dump, where thousands of old tins of all sizes are to be found, some stegomyia breeding was located, and this was eliminated through oiling and burying of old tins.

A small amount of rat-proofing work was performed at the public market. This consisted in extending the concrete floors to the street curb on the north side of the market, thus covering over a dirt floor in which infestation had been noted. The sea wall, upon which the market rests in part, was gone over carefully and all openings which will permit of rat burrowing were sealed with a rich cement mixture.

The following communicable diseases were reported during the month:

Measles	3	Diphtheria	
Typhoid fever	1	Tuberculosis	2
Mumps	1	Whooping cough	
Chicken pox	6	Leprosy	

Detailed statistics are shown in Table XVII.

SANITATION—COLON.

An arrangement has been effected with the dredging division for the hydraulic filling of the low area of Camp Bierd, lying between the Cristobal substation and Camp Bierd Avenue. The material for the fill consists of coarse coral and sand, and will be so graded as to afford natural drainage to the street. The work is already in progress, and not only will the sanitary conditions of this section be permanently improved, but the expense incident to the maintenance of drains and oiling be eliminated.

Provision has been made for the proper handling and disposal of ship's garbage. All ships will be provided garbage cans for the deposit of refuse. The cans will be daily assembled in a nuisance-proof garbage shad, conveniently situated to the piers, and the material subsequently removed by wagon transportation to Colon dump for incineration.

The extension of the concrete road through the stable district of Colon and the new road to the commissary abattoir, Cristobal, which are being constructed upon the recommendation of the health office, will immensely improve the sanitary conditions of these sections.

Improvements, having a sanitary bearing and made upon recommendation of the health office, have been made by the supply department in connection with the handling of cattle at Mount Hope.

A modern and sanitary cattle pen has been constructed and provided with a vat, containing a suitable solution in which the cattle are dipped for the relief of ticks. Approaches and roads will be filled and graded so as to eliminate the hoofprint nuisance and consequent mosquito breeding.

The fire refugee camp has been entirely abolished during the month. All tents, box cars, washhouses, and range closets were removed and measures for improving the camp site and restoring the parkway, E Street, are now in progress.

The following communicable diseases were reported during the month:

Measles	12	Beriberi	1
Mumps	9	Tuberculosis	3
Chicken pox	2	Whooping cough	3
Diphtheria	8		

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

But little change has occurred in quarantine conditions in South and Central America, yellow fever being still epidemic in Buenaventura, Colombia, and probably in adjacent districts. Yellow fever is also, according to rumor, epidemic in Bartacoas, some distance from Tumaco, Colombia. The disease probably reached the Colombian ports from Guayaquil via Esmeraldes.

Owing to closure of the canal, the number of ships received has shown a marked decrease; the decrease being due to cargo ships which transit the canal seeking new routes.

During the month a type 17 revised cottage was completed and furnished at the Balboa Quarantine Station. This cottage is for the additional quarantine officer. A flagpole was erected and a concrete walk leading to it completed. A small gatehouse was built at the entrance to the reservation, this work being performed by the station force. Work is now progressing on the new road leading to pilots' quarters, necessitating the relocation of a portion of the reservation fence.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Deaths.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly noneffective.
November, 1915.									
White	4,593	140	119	21	2	.....	2	2,362	78.72
Colored	29,631	329	234	95	21	17	4	7,692	256.39
Total.	34,224	469	353	116	23	17	6	10,054	335.11
October, 1915.									
White	4,660	126	106	20	3	1	2	2,491	80.34
Colored	28,759	318	231	87	17	14	3	8,456	272.76
Total.	33,419	444	337	107	20	15	5	10,947	353.10
November, 1914.									
White	5,759	174	148	26	4	2	2	3,525	117.51
Colored	31,413	418	301	117	10	3	7	8,545	284.82
Total.	37,172	592	449	143	14	5	9	12,070	402.33

PROPORTIONATE NUMBERS.[1]

November, 1915.									
White	4,593	365.77	310.91	54.86	5.23	.....	5.23	.....	17.14
Colored	29,631	133.23	94.76	38.47	8.50	6.88	1.62	.....	8.65
Total.	34,224	164.44	123.77	40.67	8.06	5.96	2.10	.....	9.79
October, 1915.									
White	4,660	324.46	272.96	51.50	7.72	2.57	5.15	.....	17.24
Colored	28,759	132.68	96.38	36.30	7.09	5.84	1.25	.....	9.48
Total.	33,419	159.43	121.01	38.42	7.18	5.39	1.79	.....	10.56
November, 1914.									
White	5,759	362.56	308.39	54.17	8.34	4.17	4.17	.....	20.41
Colored	31,413	159.68	114.98	44.69	3.82	1.15	2.67	.....	9.06
Total.	37,172	191.11	144.95	46.16	4.51	1.61	2.90	.....	10.82

[1] Annual average per 1,000.

Place.	Population.	Deaths.			Annual average per 1,000.		
		Total.	Disease.	External causes.	Total.	Disease.	External causes.
November, 1915.							
Panama	60,373	146	139	7	29.02	27.63	1.39
Colon	29,331	53	51	2	21.68	20.87	.81
Canal Zone	31,219	34	29	5	13.06	11.14	1.92
Total	120,923	233	219	14	23.12	21.73	1.39
October, 1915.							
Panama	60,373	143	135	8	28.42	26.83	1.59
Colon	29,331	58	56	2	23.73	22.91	.82
Canal Zone	30,219	39	33	6	15.48	13.10	2.38
Total	119,923	240	224	16	24.01	22.41	1.60
November, 1914.							
Panama	60,000	176	166	10	35.20	33.20	2.00
Colon	29,331	46	43	3	18.82	17.59	1.23
Canal Zone	36,977	44	39	5	14.28	12.66	1.62
Total	126,308	266	248	18	25.27	23.56	1.71

TABLE II.—DEATHS, BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year	4	1	5	35	32	67	....	....	.....	39	33	72
1 to 4 years	1	1	2	17	12	29	....	....	.....	18	13	31
5 to 10 years	....	....	.....	1	....	1	....	....	.....	1	....	1
11 to 20 years	1	....	1	4	1	5	....	....	.....	5	1	6
21 to 30 years	1	....	1	26	20	46	....	....	.....	27	20	47
31 to 40 years	3	....	3	16	8	24	1	....	1	20	8	28
41 to 50 years	2	3	5	13	7	20	....	....	.....	15	10	25
51 to 60 years	1	....	1	4	2	6	....	....	.....	5	2	7
61 to 70 years	....	1	1	3	2	5	....	....	.....	3	3	6
71 to 80 years	....	....	.....	....	3	3	....	....	.....	....	3	3
81 to 90 years	2	....	2	....	3	3	....	....	.....	2	3	5
Not stated	....	....	.....	1	1	2	....	....	.....	1	1	2
Total	15	6	21	120	91	211	1	....	1	136	97	233

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Non-employees.	Total.
Antigua	1	2	3
Barbados	3	35	38
China		1	1
Colombia	2	3	5
Costa Rica		1	1
Demerara		2	2
Fortune Islands		1	1
France		2	2
Grenada		1	1
Guadeloupe		1	1
Jamaica	10	50	60
Martinique	1	5	6
Panama	3	91	94
Salvador		1	1
Spain		2	2
St. Lucia		2	2
St. Vincent		1	1
St. Thomas		1	1
Trinidad	1	3	4
United States	2	3	5
Venezuela		1	1
West Indian		1	1
Total	23	210	233

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,126):		
Disease		
External causes	2	5.82
All causes	2	5.82
White women and children from the United States (3,242):		
Disease	1	3.70
External causes		
All causes	1	3.70
White employees and their families from the United States (7,368):		
Disease	1	1.63
External causes	2	3.26
All causes	3	4.89
Total number of Americans on the Canal Zone (14,903):		
Disease	1	.81
External causes	3	2.41
All causes	4	3.22

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD CO.

Causes of death.	White.	Colored.	Total.
Disease:			
Anemia, secondary		2	2
Aneurism		1	1
Cause of death ill-defined		1	1
Chronic nephritis		1	1
Cerebral sclerosis		1	1
Intestinal obstruction		1	1
Lobar pneumonia		4	4
Organic disease of heart		2	2
Other diseases of the kidneys and annexa		1	1
Pneumonia, unqualified		1	1
Pneumococcus meningitis		1	1
Tuberculosis, miliary		1	1
External causes:			
Accidental drowning	1	1	2
Traumatism by fall	1		1
Traumatism by railroads		2	2
Other external violence		1	1
Total	2	21	23

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE.

Disease.	Panama.	Colon.	Canal Zone.	Total.
General diseases.				
Malaria fever, Estivoautumnal	1		1	2
Croup		1		1
Diphtheria bacillus carrier		1		1
Dysentery	2			2
Septicaemia	1			1
Pellagra	5	1		6
Beriberi	1			1
Tuberculosis of the lungs	17	1	2	20
Acute miliary tuberculosis	2		2	4
Tuberculous meningitis	1			1
Disseminated tuberculosis	2	2		4
Rickets	1			1
Syphilis, hereditary	1			1
Gonorrhoeal arthritis		1		1
Cancer and other malignant tumors of the stomach and liver		1		1
Cancer and other malignant tumors of the breast	1	1		2
Leuchaemia	1			1
Anaemia, chlorosis		1		1
Anaemia secondary, cause not determined		1		1
Alcoholism (acute or chronic)	2			2
Alcoholism chronic	1			1
Diseases of the nervous system and of the organs of special sense.				
Simple meningitis	1			1
Pneumococcus meningitis			1	1
Locomotor ataxia	1			1

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Panama.	Colon.	Canal Zone.	Total.
Diseases of the nervous system and of the organs of special sense—Continued.				
Other diseases of the spinal cord	1			1
Acute anterior polio-myelitis	1			1
Cerebral haemorrhage, apoplexy	1	1		2
Epilepsy		1		1
Convulsions (nonpuerperal) (5 years and over)	1			1
Convulsions of infants (under 5 years of age)	2			2
Other diseases of the nervous system		1		1
Tumor of the brain	1			1
Diseases of the circulatory system.				
Acute endocarditis	1	2	1	4
Organic diseases of the heart	11	3	1	15
Aneurysm			1	1
Arterio sclerosis	3			3
Embolism and thrombosis	1			1
Diseases of the respiratory system.				
Acute bronchitis	4	7		11
Chronic bronchitis	1	1		2
Broncho-pneumonia	6	3	5	14
Pneumonia (unqualified)	3	1		4
Lobar pneumonia	3	3	2	8
Pulmonary emphysema		1		1
Diseases of the digestive system.				
Acute gastritis	2			2
Acute indigestion	1			1
Diarrhea and enteritis (under two years)	24	1		25
Colitis	1	1		2
Diarrhea and enteritis (two years and over)	2			2
Hernia, intestinal obstructions	1			1
Intestinal obstruction	1			1
Abscess of liver (unqualified)	1		1	2
Simple peritonitis (nonpuerperal)		1		
Nonvenereal diseases of the genito-urinary system and annexa.				
Acute nephritis	2	2		4
Bright's disease (chronic nephritis)	3	3	2	8
Other diseases of the kidney and annexa	2		1	3
Pyelo-nephrosis	1			1
The puerperal state.				
Accidents of pregnancy	1			1
Other accidents of labor	1			1
Eclampsia		1	2	3
Diseases of the skin and of the cellular tissue.				
Gangrene	2			2

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Panama.	Colon.	Canal Zone.	Total.
Diseases of early infancy.				
Premature birth	3	.....	1	4
Congenital debility	1	1	1	3
Malnutrition	4	5	4	13
Other causes peculiar to early infancy (including various consequences of labor)	2	.....	.....	2
Old age.				
Senility	1	1	.....	2
Affections produced by external causes.				
Suicide by firearms	1	.....	.....	1
Poisoning by food	1	.....	1	2
Other acute poisonings	1	.....	.....	1
Accidental drowning	.....	1	2	3
Traumatism by fall	1	.....	1	2
Railroad traumatism	1	1	1	3
Other external violence	2	.....	.....	2
Ill-defined diseases.				
Sudden death	1	.....	.....	1
Cause of death not specified or ill-defined	1	.....	1	2
Total	146	53	34	233
Stillbirths	13	4	4	21
Grand total	159	57	38	254

20179—16——3

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
General diseases.												
Malarial fever:												
Estivoautumnal	1	1	12	....	....	....	4	1	4	....	....	....
Tertian	2	2	1	....	....	....	....	1	1	....	....	....
Undetermined	....	....	....	....	....	....	....	1	....	....	....	....
Clinical	2	1	22	....	....	....	5	3	2	....	....	....
Measles	....	....	3	....	....	....	....	2	2	....	....	....
Diphtheria and croup	....	....	3	....	....	....	....	....	....	....	....	....
Influenza	3	....	2	....	....	....	3	1	....	....	....	....
Dysentery, unclassified	....	....	1	....	....	....	....	....	....	....	....	....
Leprosy	....	....	....	....	....	....	....	....	1	....	....	....
Erysipelas	2	....	....	....	....	....	....	....	....	....	....	....
Mumps	....	....	6	....	....	....	1	....	....	....	....	....
Pyemia and septicemia, pneumococcic	....	....	....	....	....	....	1	....	....	....	....	....
Pellagra	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis of the lungs	....	....	5	....	....	....	....	....	6	....	....	2
Acute miliary tuberculosis	....	....	....	....	....	1	....	....	1	....	....	1
Disseminated tuberculosis	....	....	....	....	....	....	....	....	1	....	....	2
Syphilis:												
Primary	1	....	....	....	....	....	3	....	....	....	....	....
Secondary	1	....	5	....	....	....	2	1	1	....	....	....
Tertiary	....	....	4	....	....	....	2	1	2	....	....	....
Hereditary	....	....	....	....	....	....	....	....	....	....	....	1
Period not stated	....	....	....	....	....	....	....	2	....	....	....	....
Gonococcus infection	1	....	....	....	....	....	....	....	1	....	....	....
Gonorrhea	2	1	9	....	....	....	7	3	1	....	....	....
Gonorrheal arthritis	....	....	3	....	....	....	....	....	1	....	....	1
Gonorrheal bubo	....	....	2	....	....	....	....	....	....	....	....	....
Gonorrheal orchitis and epididymitis	....	....	6	....	....	....	....	....	....	....	....	....
Soft chancre	1	1	7	....	....	....	3	3	1	....	....	....
Adenitis, chancroidal	....	....	....	....	....	....	1	1	1	....	....	....
Cancer and other malignant tumors of the buccal cavity	....	....	....	....	....	....	....	....	1	....	....	....
Cancer and other malignant tumors of the stomach and liver	1	....	....	....	....	....	....	....	....	....	....	....
Cancer and other malignant tumors of the breast	....	....	....	....	....	....	....	1	....	....	....	1
Other tumors (tumors of the female genital organs excepted)	....	....	1	....	....	....	....	1	2	....	....	....

IN THE HOSPITALS OF THE PANAMA CANAL.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
	1	3					1					1	2	15				4	2	4			
	1											2	3	1					1	1			
																			1				
2	2	5					4	2				4	3	27				5	7	4			
	1	1						2					1	4					2	2			
2												5		2				3	1				
														1						1			
												2											
		1												7				1					
																		1					
		1						1						1						1			
	1	3					1	2					1	8					1	8			2
																	1			1			1
																				1			2
		1										1		1				3					
		1										1		5				2	1	1			
		1												5				2	1	2			
																							1
																			2				
		1										1		1						1			
1												3	1	9				7	3	1			
														3						1			1
														2									
							1							6					1				
												1	1	7				3	3	1			
																		1	1	1			
																				1			
												1											
																			1				1
														1					1	2			

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
General diseases—Contd.												
Acute articular rheumatism								2				
Chronic rheumatism and gout		1										
Diabetes									1			
Anaemia secondary, cause not determined			2			2		3				
Serum disease												
Alcoholism acute							1					
Diseases of the nervous system and of the organs of special sense.												
Pneumococcus meningitis			1			1						
Cerebral hemorrhage, apoplexy			1									
Other forms of mental alienation							1		8			
Dementia precox							2		3			
Neuritis	1							1	1			
Other diseases of the nervous system						1	1	1				
Tumor of the brain								1				
Neurasthenia	1	1						1	1			
Diseases of the eyes and their annexa	2	1	12				3	8	3			
Trachoma								1				
Diseases of the ears	3	1	1				4	1				
Diseases of the circulatory system.												
Organic diseases of the heart		1	3			1						
Arterio sclerosis			1						2			1
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)			1				3					
Hemorrhoids			4				1	2				
Varices			1									
Varicocele							2	1				
Diseases of the lymphatic system (lymphangitis, etc.)												
Lymphadenitis (nonvenereal)	2	1	4				5					

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
																			2				
													1										
																				1			
														2			2		3				
		1												1				1					
														1			1						
														1									
																		1		8			
																		2		3			
							1					1							2	1				
																	1	1		1			
																			1				
												1	1						1	1			
												2	1	12				3	8	3			
																			1				
												3	1	1				4	1				
2		3			1			2			2	2	1	6			2			2			2
														1						2			1
														1				3					
1							1	1				1		4				1	3	1			
														1									
																		2	1				
							1	1											1	1			
												2	1	4				5					

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of the respiratory system.												
Diseases of the nasal fossæ	2							4				
Adenoid vegetations								2				
Acute bronchitis	4		4					3				
Chronic bronchitis		1						1				
Broncho-pneumonia												
Pneumonia (unqualified)								1				
Lobar pneumonia			5			3						
Pleurisy			6					1	2			
Empyema			1						1			
Asthma	2											
Diseases of the digestive system.												
Diseases of the mouth and annexa									1			
Diseases of the teeth and gums	1						2	1				
Diseases of the pharynx	2		1				3	9	1			
Follicular tonsillitis	4		2				3	30	10			
Ulcer of the stomach							1	1				
Other diseases of the stomach (cancer excepted)			1					2	4			
Gastrectasis								1				
Acute gastritis								1	1			
Acute indigestion			2									
Diarrhea and enteritis (under two years)								1	3			
Colitis												
Diarrhea and enteritis (two years and over)	1						1					1
Ankylostomiasis								1				
Intestinal parasites								1				
Acute appendicitis	3						5	2	1			
Chronic appendicitis												
Inguinal hernia	5		4				1		1			
Other diseases of the intestines	4		1				1	3				
Constipation			1				2	2	1			
Duodenal ulcer	1		1									
Cirrhosis of the liver									1			
Biliary calculi								1				

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
												2							4				
																			2				
3		1										7		5					3				
													1						1				
								2												2			
																			1				
		3						1						8			4			1			
1		6										1		12					1	2			
														1						1			
												2											
																				1			
												1						2	1				
												2		1				3	9	1			
												4		2				3	30	10			
1												1						1	1				
														1					2	4			
																			1				
																			1	1			
														2									
																			1	3			
							1	1											1	1			
2		1						1				3		1				1		1			1
																			1				
1												1							1				
1		1					1					4		1				5	3	1			
1						1						1						1					
	1	5				2	2	1				5	1	9				3	2	2			
		1										4		2				1	3				
														1				2	2	1			
												1		1									
	1												1							1			

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of the digestive system—Continued.												
Other diseases of the liver	1							1				
Abscess of liver (unqualified)												1
Abscess of the liver (entamebic)								1				
Cholecystitis			1					1				
Diseases of the spleen									1			
Simple peritonitis (nonpuerperal)									1			
Other diseases of the digestive system (cancer and tuberculosis excepted)									1			
Nonvenereal diseases of the genito-urinary system and annexa.												
Acute nephritis		2										
Bright's disease (chronic nephritis)			4			1	1	2	3			
Other diseases of the kidney and annexa			1			1		1	1			1
Pyelo-nephrosis							1		2			
Calculi of the urinary passages							1	1				
Cystitis								4	1			
Diseases of the urethra, urinary abscess, etc			3				1	1	1			
Stricture of the urethra, nonvenereal			2				1		1			
Chronic prostatitis	1											
Nonvenereal diseases of the male genital organs							1	1	1			
Hydrocele	1	1	2									
Uterine tumor (noncancerous)									1			
Other diseases of the uterus								1	9			
Metritis									3			
Cysts and other tumors of the ovary								2				
Salpingitis and other diseases of the female genital organs									4			

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
							1					1							2				
																							1
																			1				
														1					1				
																				1			
																				1			
																				1			
								1					2							1			
		1						3			2			5			1	1	2	6			2
								1						1			1		1	2			1
																		1		2			
1							1					1						1	2				
								1											4	2			
								1						3				1	1	2			
		1												3				1		1			
												1											
1							1					1						1	2	1			
		1										1	1	3									
																				1			
								2										1	11				
																			3				
																			2				
																				4			

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Nonvenereal diseases of the genito-urinary system and annexa—Continued.												
Nonpuerperal diseases of the breast (cancer excepted)									1			
Benign tumor of breast												
The puerperal state.												
Normal labor								10	3			
Accidents of pregnancy								3	2			
Hyperemesis gravidarum									4			
Abortion								2	2			
Other accidents of labor								1				
Eclampsia									2			2
Puerperal diseases of the breast									1			
Diseases of the skin and of the cellular tissue.												
Gangrene												
Furuncle		1	1				1					
Carbuncle	1											
Acute abscess	1	1	5				1					
Phlegmon and cellulitis			1				2	1				
Scabies			1									
Dhobie itch							2					
Ulcer of the skin			1					1	2			
Tropical ulcer			1									
Impetigo contagiosa								1				
Urticaria								1				
Ingrowing nail	1											
Other diseases of the skin and annexa			2						1			
Diseases of the bones and of the organs of locomotion.												
Diseases of the bones (tuberculosis excepted)								2				
Caries (nontuberculous)									1			
Mastoid abscess								1				

IN HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
																				1			
							1	2											1	2			
																			10	3			
								1											3	3			
								1												5			
																			2	2			
																			1				
								1												3			2
																				1			
							1												1				
3							2					3	1	1				1	2				
												1											
												1	1	5				1					
							1							1				2	2				
														1									
																		2					
							2							1					3	2			
														1									
																			1				
																			1				
	1											1	1										
							1							2					1	1			
																			2	1			
																				1			
																			1				

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Diseases of the bones and of the organs of locomotion—Continued.												
Osteomyelitis							1		1			
Arthritis	1		6									
Synovitis	1	1					1					
Other diseases of the organs of locomotion	4		4				3					
Malformations.												
Congenital malformations (stillbirth not included)									2			
Diseases of early infancy.												
Newborn child								13	4			
Premature birth								1			1	
Malnutrition								1	1			
Affections produced by external causes.												
Poisoning by food			2				1					
Other acute poisonings	1						3					
Snake bites		1										
Burns (conflagration excepted)			1									
Traumatism:												
By firearms												
By cutting or piercing instruments		4	5						1			
By fall	1		3	1			2					1
In mines and quarries												
By machines			4									
By other crushings (vehicles, railroads, landslides, etc.)	1		16				1		1			
By railroad			1						1			
By dynamite			1									
By landslides			1									
Injuries by animals												
Effects of heat												

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
																		1		1			
							1					1		6					1				
												1	1					1					
		1					1					4		5				3	1				
																				2			
																			13	4			
																			1			1	
																			1	1			
1							1	1			1	1		2				1	1	1			1
1												2						3					
													1										
														1									
						1												1					
		4					1	1					4	9					1	2			
		1										1		4				2					1
		3						1						7						1			
	1	9				1	1			1		1	1	25				2	1	1		1	
														1						1			
														1									
														1									
		1												1									
							1												1				

TABLE VII.—SHOWING ADMISSIONS AND DEATHS

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
Affections produced by external causes—Continued.												
Fractures (cause not specified)	1	....	12	....	....	....	....	1	1	....	....	....
Dislocations	....	....	....	....	....	....	2	....	....	....	....	....
Sprains	1	....	3	....	....	....	....	....	....	....	....	....
Other external violence	6	1	20	....	....	....	4	1	2	....	....	....
Ill-defined diseases.												
Ill-defined organic disease	....	....	2	....	....	....	....	....	1	....	....	....
Infections of undetermined origin	....	....	1	....	....	....	....	....	....	....	....	....
No disease	....	1	....	....	....	....	....	10	4	....	....	....
Grand total	78	26	259	1	0	11	104	178	143	0	1	15

IN THE HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
...	...	6	...	...	...	...	...	1	...	...	...	1	...	18	...	...	...	...	1	2	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	...
...	...	2	...	...	...	...	...	...	...	...	...	6	1	22	...	...	...	4	1	2	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...
...	...	1	...	...	...	...	1	6	...	...	...	...	...	2	...	...	...	...	1	6	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	10	5	...	...	...
25	11	70	0	0	2	5	32	43	0	1	5	103	37	329	0	0	13	109	210	186	0	2	20

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

	Remaining Nov. 1.			Admitted.			Died.			Discharged.		
	A.[1]	F.[1]	B.[1]	A.	F.	B.	A.	F.	B.	A.	F.	B.
ANCON HOSPITAL.												
Panama Canal employees	17	7	129	67	21	182	1	....	5	64	19	153
Panama Railroad employees	5	1	75	11	2	77	....	....	6	11	2	75
Other pay patients	67	35	53	237	50	103	....	....	6	193	55	89
Charity patients	5	1	40	19	3	29	1	....	6	12	1	23
Total	94	44	297	304	79	391	2	....	23	280	77	340
Insane department.												
Panama Canal employees	1	5	11	....	....	....	....	....	....	....	....	....
Panama Railroad employees	1	....	1	....	....	....	....	....	....	1	....	....
Panama pay patients	....	15	156	....	....	9	....	....	2	....	....	1
Other pay	5	2	4	3	....	....	....	....	....	3	....	....
Charity patients	4	4	42	....	....	2	....	....	....	....	....	....
Total	11	26	214	3	....	11	....	....	2	4	....	1
Grand total	105	70	511	307	79	402	2	....	25	284	77	340
Corozal farm.												
Panama Canal employees	....	11	41	....	....	1	....	....	....	....	....	....
Chronic ward.												
Charity patients	....	....	29	....	....	1	....	....	....	....	....	2
COLON HOSPITAL.												
Panama Canal employees	8	....	6	22	8	35	....	....	....	25	6	23
Panama Railroad employees	1	....	5	3	3	35	....	....	2	4	1	22
Panama pay patients	....	1	....	1	2	19	....	....	3	....	....	2
Other pay patients	6	2	3	18	16	20	1	....	1	16	6	14
Charity patients	....	....	1	....	....	4	....	....	1	....	....	2
Total	15	3	15	44	29	113	1	....	7	45	13	63
PALO SECO LEPER ASYLUM.												
Panama pay patients	....	3	34	....	....	1	....	....	....	....	....	....
Charity patients	....	2	18	....	....	....	....	....	....	....	....	....
Total	....	5	52	....	....	1	....	....	....	....	....	....
GRAND TOTAL.												
Panama Canal employees	26	23	187	89	32	218	1	....	5	89	25	176
Panama Railroad employees	7	1	81	14	5	112	....	....	8	16	3	97
Panama pay patients	....	19	190	1	2	29	....	....	5	....	....	3
Other pay patients	78	39	60	228	66	123	1	....	7	212	61	103
Charity patients	9	7	130	19	3	36	1	....	7	12	1	27
Total	120	89	648	351	108	518	3	....	32	329	90	406

[1] A=white American; F=white foreign; B=black.

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

	Transferred.			Remaining Nov. 30.			Average number constantly sick.			
							White.		Black.	Total.
	A.	F.	B.	A.	F.	B.	American.	Foreign.		
ANCON HOSPITAL.										
Panama Canal employees	....	1	5	19	11	148	23.30	10.10	138.60	172.00
Panama Railroad Employees	....	1	....	5	....	71	4.70	.90	73.03	78.63
Other pay patients	3	....	....	78	30	61	71.73	34.70	57.80	164.23
Charity patients	....	....	3	11	3	37	6.77	1.77	34.27	42.81
Total	3	2	8	103	44	317	106.50	47.47	303.70	457.67
Insane department.										
Panama Canal employees	....	....	....	1	5	11	1.00	5.00	11.00	17.00
Panama Railroad employees	....	....	....	....	....	1	.13	.....	1.00	1.13
Panama pay patients	....	....	....	....	15	162	.....	15.00	159.17	174.17
Other pay	....	....	....	5	2	4	5.47	2.00	4.00	11.47
Charity patients	....	....	....	4	4	44	4.00	4.00	42.57	50.57
Total	....	....	....	10	26	222	10.60	26.00	217.74	254.34
Grand total	3	2	8	123	70	539	117.10	73.47	521.44	712.01
Corozal farm.										
Panama Canal employees	....	....	....	....	11	42	.....	11.00	41.53	52.53
Chronic ward.										
Charity patients	....	....	1	....	....	27	.....	.....	27.93	27.93
COLON HOSPITAL.										
Panama Canal employees	2	1	8	3	1	10	6.33	.63	6.16	13.12
Panama Railroad employees	....	....	6	....	2	10	1.06	.23	7.90	9.19
Panama pay patients	1	2	13	....	1	1	.03	1.06	1.03	2.12
Other pay patients	4	5	5	3	7	3	4.86	3.53	3.76	12.15
Charity patients	....	....	2	....	....	....	.....	.....	.36	.36
Total	7	8	34	6	11	24	12.28	5.45	19.21	36.94
PALO SECO LEPER ASYLUM.										
Panama pay patients	....	....	....	....	3	35	.....	3.00	34.40	37.40
Charity patients	....	....	....	....	2	18	.....	2.00	18.00	20.00
Total	....	....	....	....	5	53	.....	5.00	52.40	57.40

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

	Transferred.			Remaining Nov. 30.			Average number constantly sick.			
							White.		Black.	Total.
	A.	F.	B.	A.	F.	B.	American.	Foreign.		
GRAND TOTAL.										
Panama Canal employees	2	2	13	23	28	211	30.63	26.73	197.29	254.65
Panama Railroad employees	....	1	6	5	2	82	5.89	1.13	81.93	88.95
Panama pay patients	1	2	13	....	19	198	.03	19.06	194.60	213.69
Other pay patients	7	5	5	86	39	68	10.33	5.53	7.76	23.62
Charity patients	....	....	6	15	9	126	10.77	5.77	105.13	121.67
Total	10	10	43	129	97	685	57.65	58.22	586.71	702.58

Number of employees remaining in hospitals:

White	58
Colored	293
Total	351

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS.

	Remaining Nov. 1.		Admitted.		Died.		Discharged.		Transferred.		Remaining Nov. 30.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Ancon	3	1	150	....	....	....	143	....	3	....	7	1	330	30	360
Balboa	1	1	73	27	....	....	58	20	13	8	3	....	150	95	245
Corozal	....	....	2	....	....	....	2	....	....	....	....	....	3	....	3
Pedro Miguel	....	....	16	....	....	....	14	....	1	....	1	....	29	....	29
Paraiso	1	2	20	20	....	....	16	21	4	1	1	....	65	69	134
Gatun	....	2	17	6	....	....	17	4	....	3	....	1	55	38	93
Colon	3	14	77	67	....	....	67	59	....	....	13	22	128	329	457
Total	8	20	355	120	....	....	317	104	21	12	25	24	760	561	1,321

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.

ALL CASES TREATED BUT NOT EXCUSED.

	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Ancon	2,725	4,146	6,871	1,851	2,629	4,480	4,576	6,775	11,351
Balboa	3,257	3,672	6,929	831	549	1,380	4,088	4,221	8,309
Corozal	397	502	899	82	49	131	479	551	1,030
Pedro Miguel	953	1,018	1,971	717	211	928	1,670	1,229	2,899
Paraiso	999	2,996	3,995	576	811	1,387	1,575	3,807	5,382
G mboa	40	150	190	5	373	378	45	523	568
Gatun	382	1,709	2,091	1,225	1,129	2,354	1,607	2,838	4,445
Colon	1,008	2,520	3,528	610	1,044	1,654	1,618	3,564	5,182
Total	9,761	16,713	26,474	5,897	6,795	12,692	15,658	23,508	39,166

CONSOLIDATED ADMISSIONS REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward	459	516	975
Total admissions of employees to quarters	355	120	475
Total	814	636	1,450
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures	41	54	95
Net admissions to hospitals and quarters	773	582	1,355
Net admissions of employees to hospitals and quarters	469	418	887
Annual average per thousand of admissions of employees to hospitals and quarters	1,225.34	169.28	311.01

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED DURING THE MONTH OF NOVEMBER, 1915.

Diseases.	Panama.	Colon.	Canal Zone.	Total.
Measles	3	12	3	18
Typhoid fever (annual average per 1,000, 0.20)	1	.....	.....	1
Mumps	1	9	5	15
Chickenpox	6	2	.....	8
Diphtheria	2	8	.....	10
Beriberi	.....	1	.....	1
Malarial fever	.....	.....	41	41
Tuberculosis	27	3	5	35
Whooping cough	5	3	4	12
Dysentery	.....	.....	1	1
Leprosy	1	.....	.....	1

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital	45.13	223.63	268.76
Colon Hospital	8.25	14.06	22.31
Total	53.38	237.69	291.07
Quarters:			
Ancon	11.00	1.00	12.00
Balboa	5.00	3.17	8.17
Corozal	.10	----------	.10
Pedro Miguel	.97	----------	.97
Paraiso	2.17	2.30	4.47
Gatun	1.83	1.27	3.10
Colon	4.27	10.96	15.23
Total	25.34	18.70	44.04

	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White	53.38	25.34	78.72
Colored	237.69	18.70	256.39
Total	291.07	44.04	335.11
Average number of employees constantly sick per 1,000:			
White	11.62	5.52	17.14
Colored	8.02	.63	8.65
Total	8.50	1.29	9.79

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital	13.22	21.76	19.24
Colon Hospital	7.05	12.63	10.46
Quarters:			
Ancon	2.43	30.00	2.62
Balboa	2.03	3.50	2.44
Corozal	1.50	----------	1.50
Pedro Miguel	1.93	----------	1.93
Paraiso	3.40	3.55	3.48
Gatun	3.23	5.71	3.96
Colon	2.00	7.54	4.59

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	October, 1915.	September, 1915.	October, 1914.
Administration, chief health office	$959.22	$842.75	$1,775.80
Hospital division:			
Ancon Hospital	24,427.20	21,639.52	32,915.88
Board of health laboratory	1,587.44	1,789.70	.....
Corozal farm	6,876.07	5,326.59	1,255.95
Chronic ward	215.18	186.84	276.52
Colon Hospital	3,304.12	3,563.20	3,227.77
Palo Seco Leper Asylum	1,858.96	1,876.03	1,377.48
Santo Tomas Hospital	1,073.75	878.43	811.33
Medical storehouse	832.79	1,332.01	729.64
Total	40,095.51	36,592.32	40,594.57
District dentists	56.49	2.53	.....
Dispensaries:			
Naos Island	.....	124.02	45.03
Balboa	989.14	974.87	917.77
Corozal	528.77	514.97	627.81
Pedro Miguel	499.64	450.75	391.00
Paraiso	619.63	651.94	487.72
Culebra	.....	111.21	432.67
Gamboa	157.44	144.12	115.97
Gatun	755.40	677.55	589.25
Margarita Point	.....	.....	112.96
Toro Point	.....	34.78	.....
Total	3,606.51	3,686.74	3,720.18
Sanitary division:			
General inspector	50.00	50.00	50.00
Health office, Panama	4,003.29	3,995.62	2,792.02
Street cleaning	4,592.46	4,446.90	4,398.68
Health office, Colon	3,412.47	2,553.85	2,068.23
Street cleaning	2,231.78	2,122.73	1,755.78
Zone sanitation—			
Ancon	1,639.57	2,388.63	1,851.59
Balboa	1,529.91	1,313.74	1,089.76
Corozal	1,664.85	1,464.29	1,204.34
Pedro Miguel	3,119.47	3,303.90	1,170.44
Paraiso	.....	.....	1,126.23
Culebra	1.11	18.00	1,018.92
Frijoles	102.98	99.33	153.62
Gatun	3,070.17	3,012.21	1,597.08
Cristobal and Mount Hope	2,587.62	2,852.66	2,064.51
Total	27,945.66	27,621.86	22,341.20
Quarantine division:			
Chief quarantine office	169.34	341.48	.....
Balboa-Panama	1,892.06	2,001.01	.....
Colon-Cristobal	3,350.52	3,047.92	.....
Total	5,411.92	5,390.41	3,986.47
RECAPITULATION.			
Chief health office	959.22	842.74	1,775.80
Hospital division	40,095.51	36,592.32	40,594.57
Dispensaries	3,606.51	3,686.74	3,720.18
Sanitary division	27,945.66	27,621.86	22,341.20
Quarantine division	5,411.92	5,390.41	3,986.47
Total	78,018.82	74,134.07	72,418.22

October, 1915, last available figures.

TABLE XIII.—ANCON HOSPITAL.

REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Panama Canal employees	426	82	2	31	34
Panama Railroad employees	171	16	.....	3	152
Panama Government pay patients	.....	.....	.....	.....	.....
Other pay patients	515	273	1	85	156
Charity patients	97	24	.....	4	69
Total	1,209	395	3	123	688
Asylum:					
Panama Canal employees	17	1	.....	5	11
Panama Railroad employees	2	1	.....	.....	1
Panama Government pay patients	180	.....	.....	15	165
Other pay patients	14	8	.....	2	4
Charity patients	52	4	.....	4	44
Total	265	14	.....	26	225
Grand total	1,474	409	3	149	913
Soldiers	148	148	.....	.....	.....
Chronics	30	.....	.....	.....	30
Farm (cripples)	53	.....	.....	11	42

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	American.	Other white.	Black.
Hospital:				
Panama Canal employees	5,160	699	303	4,158
Panama Railroad employees	2,359	141	27	2,191
Panama Government pay patients	.....	.....	.....	.....
Other pay patients	4,927	2,152	1,041	1,734
Charity patients	1,284	203	53	1,028
Total	13,730	3,195	1,424	9,111
Asylum:				
Panama Canal employees	510	30	150	330
Panama Railroad employees	34	4	.....	30
Panama Government pay patients	5,225	.....	450	4,775
Other pay patients	344	164	60	120
Charity patients	1,517	120	120	1,277
Total	7,630	318	780	6,532
Grand total	21,360	3,513	2,204	15,643
Soldiers	1,497	1,497	.....	.....
Chronics	838	.....	.....	838
Corozal farm (cripples)	1,576	.....	330	1,246

Average cost of subsistence per patient per day, $0.

WARD LABORATORY REPORT.

Blood examinations, total number	577
Estivo-autumnal	24
Mixed	3
Tertian	8
Differential counts	37
Hemoglobin estimations	99
Leucocyte counts	121
Red-blood counts	3
Stool examinations, total number	500
Ameba	4
Ascaris lumbroicoides	16
Bilharzia	9
Ciliated monads	9
Guaiac tests	16
Benzidine tests	11
Pus and blood	111
Strongloides	22
Tricocephalus dispar	25
Uncinaria (ova)	23
Urine examinations, total number	1,533
Albumen	490
Bile	17
Casts	373
Acetone tests	2
Epithelia	597
Guaiac tests	22
Benzidine tests	3
Urea	1
Indicon	61
Pus and blood	538
Sugar (positive, 6; negative, 123)	129
Sputum examinations, total number	224
Positive for tubercle bacilli	27
Smear examinations, total number	36
Urethral	16
Vaginal	5
Eye (positive for gonorrhea)	4
Spinal fluid	4
Nasal	2

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Operations on bones:		
Ostiectomy	1	
Wiring of fractures, simple	7	
Adenectomy:		
Cervical	1	
Inguinal, single	17	
Inguinal, double	9	
Femoral	5	
Herniotomy:		
Inguinal, single	11	
Inguinal, double	2	
Ventral	1	
Genito-urinary tract:		
Urethrotomy, internal	2	
Urethrotomy, external	3	
Varicocele, radical cure	4	
Hydrocele, single, radical cure	1	
Epididymotomy	9	
Amputation of scrotum	1	
Curetage uteri	10	
Trachelorrhaphy	2	

REPORT OF SURGICAL OPERATIONS—Continued.

	Number.	Died.
Thorax: Thoracotomy	1	
Rectum: Hemorrhoids, radical cure	6	
General:		
Thyroidectomy	1	
Tenorrhaphy	2	
Excision of surface neoplasms	2	
Laparotomy:		
For tuberculous peritonitis	1	1
For intestinal obstruction	1	
Gastroenterostomy	1	
Entero-enterostomy	1	
Appendectomy	9	
Appendectomy with local peritonitis	2	
Abscess of liver, laparo-hepatotomy for	1	1
Supravaginal hysterectomy	3	
Hysteromyomectomy	1	
Salpingectomy, double	1	
Salpingo-oophorectomy	1	
Suspensio-uteri	4	
Plastic operation for chronic pelvic peritonitis	1	
For trauma: General peritonitis	1	1
Minor operations, various	97	
	223	3

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Adenoidectomy		45
Tonsillectomy		52
Submucous resection		4
Pterygium excision		5
Enucleation eye		1
Antral sinusotomy (R)		1
Rhinoplasty		1
Cataract extraction		1
Minor operations:		
Eye	5	
Ear	2	
Throat	4	
		11
Total		121
Refractions		126

REPORT OF OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical	320	222	55	284
Surgical	188	108	14	31
Eye and ear	162	406	35	437
Total	670	736	104	752

MONTHLY VACCINATION REPORT.

Number of adults vaccinated	10
Number of "takes"	6

There were no school children vaccinated during the month.

Bacteriological examination of—	
Blood cultures	13
Throat cultures	68
Urines	24
Stools	24
Pathological fluids, exudates, etc	14
Sputum	6
Pus	3
Wassermann reactions	568
Agglutination reactions	4
Autogenous vaccines prepared	3
Chemical analysis of—	
Milk from private dairies supplying cities of Panama and Colon	3
Mothers' milk	7
Urine	7
Stomach contents	2
Beverage test	1
Crude carbolic	1
Kerosene	1
Solution acid phosphate	1
Flavoring extracts	11
Confectionery	10
Ice cream	2
Corn syrup	1
Surgical tissues and neoplasms	13
Autopsies performed	28
Animals autopsied or examined	4
Pathological tissues prepared, paraffin	201
Rats examined:	
Mus musculus	408
Mus norvegicus	495
Mus alexandrinus	13
Mus rattus	151
Bodies embalmed	5
Interments at Corozal	32
Shipped to Colon	1
Shipped to Paraiso	1

COROZAL HOSPITAL.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS, NOVEMBER, 1915.

	Male.	Female.
Commitments:		
From Canal Zone, first admission	4	.....
From Canal Zone, second admission	1	.....
From Panama Government, first admission	2	5
From Panama Government, second admission	.....	2
	7	7
Total	14	

	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Discharges:						
United States of America	1	.....	.....	.....	3	.....

COROZAL HOSPITAL—Continued.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS, NOVEMBER, 1915—Continued.

Medical diagnosis.	Mental diagnosis.	Deaths.	
		Male.	Female.
Tuberculosis of the lungs	Dementia præcox		1
Tuberculous pneumonia	do		1
Arterio-sclerosis	Psychoses accompanying other brain and nervous diseases (cerebral arterio-sclerosis).		1

TABLE XIV.—COLON HOSPITAL.

NATIONALITY.

	White American.	White foreign.	Black.	Total.
Panama Canal employees	30	8	41	79
Panama Railroad employees	4	3	40	47
Panama pay	1	3	19	23
Other pay	24	18	23	65
Charity cases			5	5
Total	59	32	128	219

Cost of subsistence per patient, per day, 37 cents.

LABORATORY REPORT.

Blood examinations	50
Estivo-autumnal	14
Tertian	3
Mixed	4
Leucocytosis	3
Differential counts	9
Leucocyte count	12
Red blood count	5
Stool examinations	12
Ameba	4
Pus and blood	8
Urine examinations	140
Albumen	81
Bile	1
Casts	14
Epithelia	32
Indicon	2
Guaic tests	4
Pus and red blood cells	18
Sugar (positive, 2; negative, 12)	14
Sugar, quantitive	3
Albumen, quantitive	2
Sputum examinations	15
Positive for tubercle bacilli	3
Positive for pneumococcus	1
Smear examinations	4
Vaginal for diplococci, positive	1
Urethral for gonococci, positive	2
Necropsies	9
Specimens examined	6

SURGICAL OPERATIONS.

Amputations:	
Shoulder	[1] 1
Leg	1
Herniotomy:	
Inguinal, single	4
Inguinal, double	2
Strangulated	1
Genito-urinary tract:	
Varicocele, radical cure	1
Hydrocele, single, radical cure	3
Thorax: Thoracotomy	1
Rectum: Hemorrhoids, radical cure	2
Laparotomy:	
Appendectomy	6
Appendectomy with local peritonitis	1
Cholecystostomy	1
Cholecystectomy	1
Pan-hysterectomy	1
Minor operations, various	189

[1] Died.

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS, NOVEMBER, 1915.

Class.	Number treated.		Americans.		Others.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees						
Panama Railroad employees						
Pay cases	3	35			3	35
Charity cases	2	18			2	18
Total	5	53			5	53

Cost of subsistence per patient per day, 20 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remaining Nov. 1.	Admitted.	Discharged.	Died.	Remaining Nov. 30.
Pay cases	35	89	87	2	35
Charity cases	419	845	759	76	429
Total	454	934	846	78	464

Average number of patients constantly sick	453
Total number of days' treatment	13,603
Average number of days' treatment	9
Cost of subsistence per patient per day	$0.38

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases	124	5	.....	50	69
Charity cases	1,264	17	.....	141	1,106
Total	1,388	22	.....	191	1,175

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives	13	552	565
Foreigners	45	460	505
Total	58	1,012	1,070

DISEASES TREATED.

Malarial fever	113
Measles	1
Whooping cough	1
Influenza	8
Dysentery	7
Other epidemic diseases	4
Purulent infection and septicemia	10
Pellagra	4
Beriberi	1
Tuberculosis of the lungs	33
Pott's disease	1
Tuberculosis of other organs	1
Syphilis	21
Gonococcus infection	19
Soft chancre	6
Cancer and other malignant tumors of the breast	2
Cancer and other malignant tumors of other organs and of organs not specified	1
Other tumors (tumors of the female genital organs excepted)	2
Acute articular rheumatism	4
Other general diseases	1
Alcoholism (acute or chronic)	19
Other chronic poisonings	1
Simple meningitis	1
Cerebral hemorrhage, apoplexy	1
Paralysis without specified cause	1
Other forms of mental alienation	3
Epilepsy	2
Convulsions of infants (under 5 years of age)	1
Neuralgia	6
Other diseases of the nervous system	3
Diseases of the eyes and their annexa	11
Diseases of the ear	4
Acute endocarditis	1
Organic diseases of the heart	40
Diseases of the arteries, atheroma aneurysm, etc	5
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)	10

Diseases of the lymphatic system (lymphangitis, etc.)	16
Diseases of the nasal fossæ	1
Chronic bronchitis	21
Broncho-pneumonia	1
Pneumonia (unqualified)	8
Pleurisy	1
Asthma	3
Diseases of the mouth and annexa	2
Diseases of the pharynx	11
Ulcer of the stomach	2
Other diseases of the stomach (cancer excepted)	3
Diarrhea and enteritis (under two years)	8
Diarrhea and enteritis (two years and over)	7
Ankylostomiasis	26
Intestinal parasites	2
Appendicitis and typhlitis	17
Hernia, intestinal obstructions	6
Other diseases of the intestines	11
Diseases of the anus and fecal fistula	2
Cirrhosis of the liver	1
Other diseases of the liver	2
Diseases of the spleen	1
Simple peritonitis (nonpuerperal)	1
Bright's disease (chronic nephritis)	27
Other diseases of the kidney and annexa	2
Diseases of the bladder	3
Diseases of the urethra, urinary abscess, etc	3
Nonvenereal diseases of the male genital organs	9
Uterine tumor (noncancerous)	8
Other diseases of the uterus	9
Metritis	9
Cysts and tumors of the ovary	1
Salpingitis and other diseases of the female genital organs	14
Nonpuerperal diseases of the breast (cancer excepted)	1
Normal labor	92
Accidents of pregnancy	26
Puerperal septicemia	4
Gangrene	2
Furuncle	1
Acute abscess	15
Other diseases of the skin and annexa	23
Diseases of the bones (tuberculosis excepted)	2
Diseases of the joints (tuberculosis and rheumatism exceptes)	6
Amputations	1
Other diseases of the organs of locomotion	3
Congenital malformations (stillbirths not included)	3
Newborn child	86
Congenital debility, icterus, and sclerema	6
Other causes peculiar to early infancy (including various consequences of labor)	1
Senility	1
Other acute poisonings	5
Burns (conflagration excepted)	1
Traumatism by firearms	5
Traumatism by cutting or piercing instruments	6
Traumatism by fall	6
Dislocations	1
Sprain	9
Other external violence	8
Cause of death not specified or ill-defined	4
No disease	14
Total	924

SURGICAL OPERATIONS.

	Number.	Died.
Amputations, foot	1	
Amputations, digits, multiple	2	
Craniectomy, decompressive	1	1
Cystectomy	3	
Wiring of fractures, compound	1	
Adenectomy, cervical	1	
Adenectomy, inguinal, single	10	
Adenectomy, inguinal, double	1	
Herniotomy, inguinal, single	7	
Nephropexy	1	
Urethrotomy, internal	6	1
Urethrotomy, external	2	2
Hydrocele, single, radical cure	3	
Hydrocele, double, radical cure	1	
Orchidectomy	2	
Vasectomy	1	
Curetage uteri	10	
Excision of breast	2	
Hemorrhoids, radical cure	5	
Fistula in anus, excision of	1	
Prolapsus rectum, radical excision	1	
Excision of surface neoplasms	3	
Gunshot wound of soft parts, operation for	2	
Plastic operation for severe injuries	1	
Plastic operation for effects of disease	9	
Laparotomy for general peritonitis	1	1
Laparotomy for intestinal obstructions	1	1
Appendectomy	20	
Appendectomy with general peritonitis	1	
Abscess of liver, laparo-hepatotomy for	2	1
Abscess of liver, thoraco-hapatotomy for	1	
Splenectomy	1	1
Pan-hysterectomy	6	
Salpingectomy, single	1	
Salpingectomy, double	2	
Salpingo-oophorectomy	9	
Suspensio-uteri	6	
Plastic operation for chronic pelvic peritonitis	1	
For eutopic gestation	1	1
Major operations, various other	1	1
Minor operations	44	
Total	175	10

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of November, 1915, in the Canal Zone:

Work requests on supply department:		
Grass cutting		16
Screening		6
Miscellaneous		7
Work requests on engineering department		10
Work requests on other departments		3
Notices served to abate nuisances		8
Inspections of closets		908
Inspections of stores		41
Inspections of shops		93
Garbage cans emptied daily		90,090
Closets disinfected		1,318
Rat traps in use		847
Adult anopheles caught		5,610
Adult culices caught		9,986
Adult stegomyia caught		32
Larvacide used	gallons	1,096
Crude oil used	do	15,930
Kerosene used	do	488
Rats destroyed		376
Containers found with stegomyia larvae		7

SUMMARY OF ROUTINE WORK DONE BY THE PANAMA HEALTH OFFICE.

Mosquito, rat, and fly work:		
Ditches cleaned and maintained	linear feet	51,787
New ditches dug	do	6,536
Earth used in filling	cubic yards	0
Larvacide used	gallons	638
Crude oil used	do	6,577
Pools oiled	square yards	691,355
Water containers treated		9,844
Mosquito breeding places found		413
Fly breeding places found		80
Flies trapped (13,000 per quart)	quarts	25
Rats trapped		428
Room disinfections made		11
Garbage collection:		
Loads of garbage removed to dump		4,577
Garbage removed to dump	cubic yards	8,131
Cans of garbage emptied		108,379
Buildings:		
Buildings inspected		5,578
Plans for new buildings approved		10
Permits issued for repairs to old buildings		63
Building permits issued		73
Buildings condemned (stables)		0
Buildings demolished		3
Street cleaning:		
Average number of square yards cleaned daily		600,000
Average number of square yards sprinkled daily		90,000
Number of private properties cleaned		8
Number of notices served and nuisances abated		219
Vaccinations:		
Vaccinations during month		0
Vaccinations since Apr. 1, 1914		23,241

MONTHLY WORK REPORT FOR COLON AND CRISTOBAL AND MOUNT HOPE.

[Health office, Colon-Cristobal, Nov. 30, 1915.]

Sanitation, general, Colon:		
Streets cleaned	square yards	3,745,848
Alleys maintained	do	624,000
Private properties cleaned		726
Fumigated	cubic yards	15,800
Quinine issued	doses	14,148
Rats caught		310
Dogs killed		1
Yard garbage disposed	loads	604
Cans of garbage	cubic yards	65,142
Colon dump maintained.		
Ditches maintained	linear yards	680
Vegetation removed—		
Quarantine station	acres	2
Panama Railroad properties	do	38
Parkway and E Street maintained.		
Cubic yards of filling Panama Railroad stables lots		477
Square yards oiled		73,400
Receptacles treated		52,730
Mosquito breeding places destroyed		185
Fly breeding places destroyed		109
Buildings inspected		7,576
Larvacide used in Colon	gallons	1,300
Crude oil used in Colon	do	1,316
Nuisances abated		415
Building, Colon:		
Plans approved		16
Permits issued		17
Permits to repair issued		32
Bills collected		130
Colon, sewers:		
New connections made during month		14
Total connections made to date		1,205
Houses in which extensions were made		4
Outstanding permits		100
Sanitation, Cristobal:		
Cans of garbage (671 cubic yards)		13,274
Yard garbage handled	loads	177
Square yards oiled		5,000
Receptacles treated		6,400
Mosquito breeding places destroyed		5
Fly breeding places destroyed		4
Crude oil used	gallons	140
Larvacide used	do	50
Buildings inspected		870
Sanitation, Mount Hope:		
Cans of garbage (180 cubic yards)		1,860
Square yards oiled		160,900
Receptacles treated		20,300
Mosquito breeding places destroyed		84
Mosquitoes caught in barracks—		
Anopheles		42
Culex		2,130
Mosquitoes caught in cars and quarters (village)—		
Anopheles		138
Culex		3,461
Larvacide used	gallons	650
Crude oil used	do	4,545.82
Mount Hope Cemetery maintained.		
Ditches maintained	linear yards	17,347
Vegetation removed	square yards	180,263
Burials during the month		53

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Vessels inspected and passed	92	
Vessels held in quarantine	11	
Total vessels entered		103
Vessels fumigated on arrival	9	
Vessels fumigated on departure	2	
Total vessels fumigated		11
Crew examined	7,230	
Passengers examined	3,289	
		10,519
Supplementary inspections		2,268
Persons vaccinated at ports of arrival because of compulsory vaccination law		421
Persons vaccinated at ports of departure or en route because of compulsory vaccination law		384
Total persons vaccinated		805
Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague		314
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague	1,582	
Total persons held under observation	1,896	
		3,478
Total persons landed from foreign ports:		
Cabin	1,480	
Steerage	1,209	
		2,689
Total persons embarked for foreign ports:		
Cabin	1,400	
Steerage	1,246	
		2,646
Persons arriving from coast towns on small launches and sailing craft		1,754
Persons sailing for coast towns on small launches and sailing craft		1,633
Apparent increase for month from coast towns		121
Apparent increase for month from foreign ports:		
Cabin (increase)	80	
Steerage (decrease)	37	
		43
Immigrants recommended for deportation		22
Bills of health issued or viséed		168
Inspections of docks		104
Inspections of vessels at docks		189
Total persons landed	4,443	
Less number for Pacific ports	239	
		4,204
Total number of persons sailing		4,279
Total apparent decrease for month		75

IMMIGRATION REPORT FOR COLON, NOVEMBER, 1915.

From—	Cabin.	Steerage.
Europe	16	31
United States	548	34
Jamaica and West Indies	158	353
Venezuela	11	6
Colombia	89	156
Cuba	26	19
Costa Rica	143	24
Bocas del Toro	35	121
Coast towns	.....	186
Total	1,026	930
Grand total	1,956	

Men	907
Women	601
Children	262
Unclassified	186
Total	1,956

QUARANTINE, BOCAS DEL TORO.

Vessels inspected and passed	18
Crew inspected and passed	1,246
Passengers inspected and passed	170
Passengers, in transit, inspected and passed	153

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate	42.33
Quinine sulphate tablets	0.00
Total	42.33
Pounds avoirdupois	93.32

TABLE XX.—PERSONNEL REPORT.

	November, 1915.			Total, October, 1915.	Total, November, 1914.
	Officers and employees.	Skilled and unskilled labor.	Total.		
Chief health office	4	.....	4	4	3
Medical storehouse	5	5	10	10	8
Quarantine division	25	18	43	44	41
Health office, Panama	20	156	176	181	144
Health office, Colon	17	178	195	192	124
Ancon Hospital	243	94	337	340	349
Colon Hospital	26	11	37	36	34
Santo Tomas Hospital	6	.....	6	6	5
Palo Seco Leper Asylum	11	19	30	25	24
Zone sanitation	17	129	146	135	122
Hospital farm	3	48	51	51	41
Dispensaries:					
Balboa	7	.....	7	5	6
Corozal	4	.....	4	4	5
Culebra	.....	.....	.....	.....	3
Gamboa	1	.....	1	1	1
Gatun	5	.....	5	4	4
Margarita Point	.....	.....	.....	.....	1
Naos Island	.....	.....	.....	.....	1
Paraiso	4	.....	4	4	5
Pedro Miguel	3	.....	3	3	3
Total	401	658	1,059	1,045	924

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